



REPLACEMENT SHEET

SCRAMBLER POLYNOMIAL OF $1+X(39)+X(58)$

$Dout[0:38]=NS[38:0]^{\wedge}NS[57:19]^{\wedge}Din[0:38];$
 $Dout(0)=NS(38)^{\wedge}NS(57)^{\wedge}Din(0);$
 $Dout(1)=NS(37)^{\wedge}NS(56)^{\wedge}Din(1);$
 $Dout(2)=NS(36)^{\wedge}NS(55)^{\wedge}Din(2);$
 $Dout(3)=NS(35)^{\wedge}NS(54)^{\wedge}Din(3);$
 $Dout(4)=NS(34)^{\wedge}NS(53)^{\wedge}Din(4);$
 $Dout(5)=NS(33)^{\wedge}NS(52)^{\wedge}Din(5);$
 $Dout(6)=NS(32)^{\wedge}NS(51)^{\wedge}Din(6);$
 $Dout(7)=NS(31)^{\wedge}NS(50)^{\wedge}Din(7);$
 $Dout(8)=NS(30)^{\wedge}NS(49)^{\wedge}Din(8);$
 $Dout(9)=NS(29)^{\wedge}NS(48)^{\wedge}Din(9);$
 $Dout(10)=NS(28)^{\wedge}NS(47)^{\wedge}Din(10);$
 $Dout(11)=NS(27)^{\wedge}NS(46)^{\wedge}Din(11);$
 $Dout(12)=NS(26)^{\wedge}NS(45)^{\wedge}Din(12);$
 $Dout(13)=NS(25)^{\wedge}NS(44)^{\wedge}Din(13);$
 $Dout(14)=NS(24)^{\wedge}NS(43)^{\wedge}Din(14);$
 $Dout(15)=NS(23)^{\wedge}NS(42)^{\wedge}Din(15);$
 $Dout(16)=NS(22)^{\wedge}NS(41)^{\wedge}Din(16);$
 $Dout(17)=NS(21)^{\wedge}NS(40)^{\wedge}Din(17);$
 $Dout(18)=NS(20)^{\wedge}NS(39)^{\wedge}Din(18);$
 $Dout(19)=NS(19)^{\wedge}NS(38)^{\wedge}Din(19);$
 $Dout(20)=NS(18)^{\wedge}NS(37)^{\wedge}Din(20);$
 $Dout(21)=NS(17)^{\wedge}NS(36)^{\wedge}Din(21);$
 $Dout(22)=NS(16)^{\wedge}NS(35)^{\wedge}Din(22);$
 $Dout(23)=NS(15)^{\wedge}NS(34)^{\wedge}Din(23);$
 $Dout(24)=NS(14)^{\wedge}NS(33)^{\wedge}Din(24);$
 $Dout(25)=NS(13)^{\wedge}NS(32)^{\wedge}Din(25);$
 $Dout(26)=NS(12)^{\wedge}NS(31)^{\wedge}Din(26);$
 $Dout(27)=NS(11)^{\wedge}NS(30)^{\wedge}Din(27);$
 $Dout(28)=NS(10)^{\wedge}NS(29)^{\wedge}Din(28);$
 $Dout(29)=NS(9)^{\wedge}NS(28)^{\wedge}Din(29);$
 $Dout(30)=NS(8)^{\wedge}NS(27)^{\wedge}Din(30);$
 $Dout(31)=NS(7)^{\wedge}NS(26)^{\wedge}Din(31);$
 $Dout(32)=NS(6)^{\wedge}NS(25)^{\wedge}Din(32);$
 $Dout(33)=NS(5)^{\wedge}NS(24)^{\wedge}Din(33);$
 $Dout(34)=NS(4)^{\wedge}NS(23)^{\wedge}Din(34);$
 $Dout(35)=NS(3)^{\wedge}NS(22)^{\wedge}Din(35);$
 $Dout(36)=NS(2)^{\wedge}NS(21)^{\wedge}Din(36);$
 $Dout(37)=NS(1)^{\wedge}NS(20)^{\wedge}Din(37);$
 $Dout(38)=NS(0)^{\wedge}NS(19)^{\wedge}Din(38);$

FIG.4



REPLACEMENT SHEET

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